

## PROJECT TITLE

### Sierra College Boulevard and I-80 Interchange Modifications



**Project Location:** Near the City of Rocklin at Sierra College Boulevard Interchange on I-80

**Co/Rte/KP/PM:** Placer /80/KP 11.2-12.6

**Project Description:** Widen Sierra College Boulevard to 5-lanes and reconstruction of the on and off ramps at the I-80 / Sierra College Boulevard Interchange.

**Project Scope:** Construct a modified L-9 interchange and replace the existing overcrossing. Widen Sierra College Boulevard to 5 lanes.

### Existing Funding

IIP: \$11,000,000  
RIP: \$ 8,185,000  
Other: \$ 8,613,000

**Future Funding Needs:** \$0

**Total Estimated Cost:** \$27,798,000

**Engineer's Estimate:** \$15,800,000\*

\* Does not include R/W, utilities relocation or environmental mitigation.

**Project Schedule:** PA&ED 7/04  
PS&E 4/05  
RTL 5/05  
Award 12/05

## PROJECT INFORMATION

**Introduction and Background:** The project derived its impetus in 1988 when the southeast quadrant of the Interchange was being proposed as a good location for a regional mall. The regional mall is no longer being considered but in 1997 the City of Rocklin initiated a second PSR which provided alternatives that would maintain access to the northwest and southeast quadrants. The Interstate 80/Sierra College Boulevard Interchange over crossing structure is deficient in height, width, and length, and is poorly aligned over I-80.

### Project Need:

The proposed project is needed to improve current traffic operation deficiencies at the Sierra College Boulevard I-80 interchange ramp intersections and to address safety problems associated with the existing non-standard interchange features. The Sierra College Boulevard/Hazel Avenue corridor provides regional access to the South Placer County region. As such, the proposed project is needed to provide capacity to support future planned growth

within both the City of Rocklin and within the South Placer County region. Current peak hour intersection Levels of Service at the adjacent Sierra College Boulevard intersections with both the Interstate 80 eastbound and westbound ramps experience LOS "E" levels. On or before the year 2005, operations at these intersections are projected to be at LOS "F" and would cause traffic to queue across the existing overcrossing and impact operations at both ramp intersections and may result in queues on WB and EB Interstate 80. The project will also provide for standard structure vertical and horizontal clearances and will facilitate future widening of Interstate 80.

### Project Purpose:

The purpose of the proposed improvements is to correct current operational deficiencies; enhance safety; support projected growth; and provide the needed capacity on Sierra College Boulevard to achieve the operational goal of LOS "D" through the year 2025. The project will also mitigate the substandard overcrossing vertical clearance and provide the horizontal clearances needed for planned freeway widening.

**Date Prepared:** 2/4/04